

Sheet 1 of 1Form PTO-1449
(REV. 1/06)US Dept. of Commerce
PATENT & TRADEMARK OFFICEATTY DOCKET NO.
116713APPLICATION NO.
10/657,108

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)
Hironori OKADOFILING DATE
September 9, 2003GROUP
2821

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Date	Name

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Date	Country	With English Abstract	With English Translation

OTHER DOCUMENTS

Examiner Initials	Cite No.	(Including Author, Title, Date, Pertinent Pages, etc.)
<i>HC</i>	1	John D. Kraus, "Antennas", 2 nd edition 1988 McGraw-Hill, p.p. 346-347 and p.p. 723-725
<i>HC</i>	2	"Antenna Engineering Handbook", Electronic Information Communication Institution, p. 128 (no mention - yet)

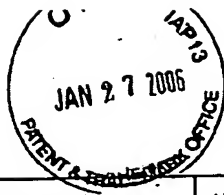
EXAMINER

DATE CONSIDERED

9/10/06

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date: March 16, 2006

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U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Date	Name
<i>W</i>	1	5,521,606	05-28-1996	Iijima et al.
<i>W</i>	2	6,747,600	06-08-2004	Wong et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Date	Country	With English Abstract	With English Translation
<i>W</i>	3	JU-A-5-82122	11-05-1993	Japan	X	
<i>W</i>	4	EP 0 831 548 A2	03-25-1998	Europe		

OTHER DOCUMENTS

Examiner Initials	Cite No.	(Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER

W

DATE CONSIDERED

4/10/06

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Date: January 27, 2006

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 116713		APPLICATION NO. New U.S. Patent Application 10657108	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT Hironori OKADO			
				FILING DATE September 9, 2003			

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
W	1	US 2002/0122010 A1	09/05/2002	McCorkle		/
H	2	US 6,351,246 B1	02/26/2002	McCorkle		/
H	3	US 6,515,626 B2	02/04/2003	Bark et al.		/

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS		
4	JU-S31-000709-Y	01/21/1956	Japan			/
5	JP A 55-4109 w/abstr.	01/12/1980	Japan			/
6	JP A 57-142003 w/abstr.	09/02/1982	Japan			/
7	JP A 63-275204 w/abstr.	11/11/1988	Japan			/
8	JP A 8-213820 w/abstr. + trans.	08/20/1996	Japan			/

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
9	Honda et al., "Improved Input Impedance of Circular Disc Monopole Antenna," Spring National Convention of The Institute of Electronics, Information and Communication Engineers, pp. 2-131, B-131, March 27, 1992	
10	Ihara et al., "Broadband Characteristics of Semi-Circular Antenna combined with Linear Element," General Convention of The Institute of Electronics, Information and Communication Engineers, PP. 77, B-77, March 31, 1996	
11	Ihara et al., "A Small Broadband Antenna with Rounded Semi-Circular Element," Society Conference of The Institute of Electronics, Information and Communication Engineers, pp. 78, B-78, September 21, 1996	
12	Honda et al., "Wideband Monopole Antenna of Circular Disc," Technical Reports of The Institute of Television, Vol. 15, No. 59, pp. 25-30, October 24, 1991	

EXAMINER	DATE CONSIDERED: 4/10/06
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Date: September 9, 2003